

Name: _____ Date: _____

Science 10

Teacher: Mr. Birrell Period Room

Course Content

Force and Motion in Our World

- *Investigate and represent the motion of objects that travel at constant speed in a straight line*
- *Investigate and represent the motion of objects that experience constant acceleration*
- *Explore the relationship between force and motion for objects moving in one and two dimensions*

Chemical Reactions

- *Experience a variety of chemical reactions, including the role of energy changes*
- *Name and write formulas for common ionic and molecular chemical compounds, including acids and bases*
- *Represent chemical reactions and the conservation of mass symbolically, using models, word and skeleton equations, and balanced chemical equations*
- *Investigate the rates of chemical reactions, including factors that affect the rate*

Climate and Ecosystems Dynamics

- *Assess the consequences of human actions on the local, regional, and global climate and the sustainability of ecosystems*
- *Investigate the mechanisms that influence Earth's climate system, including the role of the natural greenhouse effect*
- *Examine biodiversity through the analysis of interactions among populations within communities.*
- *Investigate the role of feedback mechanisms in biogeochemical cycles and in maintaining stability in ecosystems.*

Evaluation

Assignments\Labs\Quizzes	30%
Unit Exams	50%
Course Finalization (Final Exam)	20%

Expectations

1. Be on time. Have your books open and ready to go.
2. Have all materials present and ready to use. This includes your agenda, pencils, eraser, and calculator.
3. Raise your hand to ask/answer questions.
4. Use class time wisely to complete work.
5. Do not disrupt presentations or work time.
6. Do not be afraid to ask a question.
7. Write neatly so that the teacher can read it without trouble.
8. We will use computers periodically. Use the computers appropriately. Do not download any software. You will lose your computer privileges.
9. Follow school policy in regards to dress, attendance, and conduct.
10. No food or drink allowed in class other than water. Do not use your water during labs.
11. No cell phones in class. You cannot use your cell phone as a calculator or as an mp3 player. They will be sent to the office.
12. If you are absent, it is your responsibility to find out the material you missed. You may ask the teacher, a classmate, or check the binder. Assigned homework will be due the following day.

Daily Routine

When you enter the classroom, complete the bellwork and follow any instructions on the board. At the beginning of the class there will be a short question and answer period about previously covered material. The rest of the class will consist of the presentation of new material and work time. Homework checks can occur at any time.

Materials

For this class you will need pens, pencils, erasers, loose leaf paper, a ruler, protractor, calculator, and a binder.

Missed Evaluations

All missed evaluations will receive an "Incomplete" until they have been completed. Missed evaluations will be completed at the convenience of the teacher on an individual basis. Generally, missed exams will be written on the day the student returns to school.

Late Assignments

Late assignments will be accepted up until the assignment has been handed back to the class.

Progress Reports

There will be no progress reports handed out or emailed. Check online on HomeLogic for your current grade.

Course Finalization